

=====

Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=1; day=22; hr=13; min=52; sec=4; ms=854;]

=====

Application No: 10583034 Version No: 2.1

Input Set:

Output Set:

Started: 2009-01-22 13:49:11.339
Finished: 2009-01-22 13:49:12.082
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 743 ms
Total Warnings: 2
Total Errors: 1
No. of SeqIDs Defined: 18
Actual SeqID Count: 18

Error code	Error Description
E 248	Order Sequence Error <141> -> <140>; Expected Mandatory Tag: <210> in Header
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)

SEQUENCE LISTING

<110> GAUTHIER et al.

<120> Human anti-idiotypic antibody fragments that mimic
Her-2/neu

<130> P08951US00/BAS

<140> 10/583,034

<141> 2006-06-15

<140> PCT/IB2004/004096

<141> 2004-12-14

<150> US 10/583,034

<151> 2006-06-15

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		

Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

Ser	Ala	Ile	Ser	Gly	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				

Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70					75				80	

Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85						90					95	

Ala	Lys	Asn	Tyr	Gln	Ile	His	Pro	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr
			100					105					110		

Leu	Val	Thr	Val	Ser	Arg	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser
		115					120					125			

Gly	Gly	Gly	Gly	Ser	Ser	Glu	Leu	Thr	Gln	Asp	Pro	Ala	Val	Ser	Val
			130			135					140				

Ala	Leu	Gly	Gln	Thr	Val	Arg	Ile	Thr	Cys	Gln	Gly	Asp	Ser	Leu	Arg
145						150				155					160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val
 165 170 175

Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg
 180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
 195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ser Asp Pro
 210 215 220

Asp Gln Leu Leu Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240

Gly

<210> 2
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 2

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Asn Val His Ile Gln Pro Phe Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val
 130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg
 145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val
165 170 175

Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg
180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ser Glu Pro
210 215 220

Thr Pro Pro Arg Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
225 230 235 240

Gly

<210> 3
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3
Asn Tyr Gln Ile His Pro
1 5

<210> 4
<211> 6
<212> PRT
<213> Homo sapiens

<400> 4
Asp Pro Asp Gln Leu Leu
1 5

<210> 5
<211> 6
<212> PRT
<213> Homo sapiens

<400> 5
Asn Val His Ile Gln Pro
1 5

<210> 6
<211> 6
<212> PRT
<213> Homo sapiens

<400> 6

Glu Pro Thr Pro Pro Arg

1 5

<210> 7

<211> 11

<212> PRT

<213> Homo sapiens

<400> 7

Cys Ala Lys Lys Lys Ile Gly Pro Phe Asp Tyr

1 5 10

<210> 8

<211> 12

<212> PRT

<213> Homo sapiens

<400> 8

Asn Ser Ser Pro Arg Pro Asn Ala Pro Val Val Phe

1 5 10

<210> 9

<211> 12

<212> PRT

<213> Homo sapiens

<400> 9

Cys Ala Lys Asn Tyr Gln Ile His Pro Phe Asp Tyr

1 5 10

<210> 10

<211> 12

<212> PRT

<213> Homo sapiens

<400> 10

Asn Ser Ser Asp Pro Asp Gln Leu Leu Val Val Phe

1 5 10

<210> 11

<211> 12

<212> PRT

<213> Homo sapiens

<400> 11

Cys Ala Lys Asn Val His Ile Gln Pro Phe Asp Tyr
1 5 10

<210> 12
<211> 12
<212> PRT
<213> Homo sapiens

<400> 12
Asn Ser Ser Glu Pro Thr Pro Pro Arg Val Val Phe
1 5 10

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<400> 13
tactacgcag actccgtgaa g 21

<210> 14
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<400> 14
gaattttctg tatgagg 17

<210> 15
<211> 5
<212> PRT
<213> Homo sapiens

<400> 15
Ser Tyr Ala Met Ser
1 5

<210> 16
<211> 11
<212> PRT
<213> Homo sapiens

<400> 16

Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser
1 5 10

<210> 17

<211> 12

<212> PRT

<213> Homo sapiens

<400> 17

Ser Gly Gly Thr Tyr Tyr Ala Asp Ser Val Lys Gly
1 5 10

<210> 18

<211> 7

<212> PRT

<213> Homo sapiens

<400> 18

Gly Lys Asn Asn Arg Pro Ser
1 5